

7172 WD

NOTES

REVISIONS

ISSUE	DATE	AUTH. NO.
1	8-11-64	15637-R
2	9-26-65	89039

1. All empty spaces on this chart indicate that the characters for these positions are the same as those in the corresponding position of Arrg't. "MA".
2. "Shift" characters are printed by first depressing SHIFT keytop and then the keytop having the desired character.
3. "None" or "(N)" indicates no printing shift character for its corresponding unshift position.
4. "(U)" indicates UNSHIFT; "(S)" indicates SHIFT.
5. Codes: ASCII - American Standard Code for Information Interchange
  
6. Two-letter code indicates typewheel arrangement and normally occupies position of SPACE function for which printing is suppressed.
7. For Manufacturing Information - Refer to 180560 Drawing.
8. Type Style Designations:
  - M - Murray
  - UL - UP-LO
  - MC - Mono-Case
9. "Customer Application" indicates that this arrangement was requested by Sales Order and that information regarding usage and matching keytop arrangement is unavailable.

Sheet 1 of 8

MODEL 33  
TYPEWHEEL  
ANALYSIS CHART

APPROVALS

D AND R      E OF M  
*HJK*      *[Signature]*

E-NUMBER

PROD. NO. 7172WD

DATE:

P.D. FILE NO. G-A152A60

DRAWN.      CHKD. *J.E.F.*

ENGD. *RLW*      APPD. *O.A.L.*

TELETYPE  
CORPORATION

7172 WD

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LEGEND

REVISIONS

<u>SYMBOL</u>	<u>DESCRIPTION</u>	<u>USAGE</u>
↑	Exponentiation	
←	Implies; replaced by	Transmitted after error
↙	ACKnowledge (Reversed virgule)	1. Used in answer to RU inquiry. 2. Used in transmissions between 5 and 8 level systems where one system does not recognize a character transmitted by the other.

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Sheet 2

MODEL 33  
TYPEWHEEL  
ANALYSIS CHART

APPROVALS

D AND R	E OF M
<i>HJK</i>	<i>[Signature]</i>

E-NUMBER  
PROD. NO. 7172WD

DATE:  
RD. FILE NO. G-152A60  
DRAWN. RLW | CHKD. J.E.T.  
ENGD. RLW | APPD. J.P.L.

TELETYPE CORPORATION

7172 WD

TYPE-WHEEL	ARRG'T	"MA"	"MB"	"MC"	"MD"	"ME"
	PART NO.	180598	182280	182293	183588	183599
ORIGINAL CUSTOMER		BELL	WECO	NAT.'L CASH REG.	M.I.T.	REMINGTON RAND
MATCHES KEYTOP ARRANGEMENT		"DRA"	-	-	-	"DRF"
ORIG. USED ON		UP800	CUSTOMER APPLICATION	CUSTOMER APPLICATION	CUSTOMER APPLICATION	UP809
SEE NOTE			⑨	⑨	⑨	

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REVISIONS		
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(SEE SHEET 2 FOR EXPLANATION OF SYMBOLS) CHARACTERS IN THE "UNSHIFT" POSITION (THOSE ON LOWER HALF OF KEYTOP) (SEE NOTES 1 AND 3)	CHARACTERS IN THE "SHIFT" POSITION ②										
	A	(NONE)	1	(N)	1						
	B	(NONE)	2	(N)	2						
	C	(NONE)			3						
	D	(NONE)	4	(N)	4						
	E	(NONE)			5						
	F	(NONE)			6						
	G	(NONE)	7	(N)	7						
	H	(NONE)	8	(N)	8						
	I	(NONE)			9						
	J	(NONE)			⓪						
	K	[			.	"			\$		
	L	\			MC	m			=		
	M	]			&	n			?		
	N	↑			.	o			"		
	O	↑			-	p			<		
	P	⓪			!	⓪			>		
	Q	(NONE)			A						
	R	(NONE)			B						
	S	(NONE)			C						
	T	(NONE)			D						
	U	(NONE)			E						
	V	(NONE)			F						
	W	(NONE)			G						
	X	(NONE)			H						
	Y	(NONE)			I						
	Z	(NONE)			:						
	1	!	A	#	J						
	2	"	B	S	K				↑		
	3	#		T	L				↑		
4	\$	D	U	M				-			
5	%		V	N							
6	&		W	O							
7	'	G	X	P				⓪			
8	(	H	Y	Q				~			
9	)		Z	R				∇			
0	(NONE)		*	⓪				⓪			

VARIABLE CHAR.	(U)	(S)	(U)	(S)	(U)	(S)	(U)	(S)	(U)	(S)
NOTE: SINCE THE REMAINING CHARACTERS MAY VARY WIDELY, BOTH UNSHIFT AND SHIFT CHARACTERS ARE SHOWN FOR EACH ARRG'T. ④	.	<			S	U	:			
SEE NOTE ⑥	.	>			)	w	:			
	/	?			/	x	*	/		
	:	+			>	=	+	-		
	:	*			<	%	(	[		
	-	=			(	v	)	]		
	MA		MB		+		MD		ME	

TYPE STYLE ⑧	M	M	M	M	M
CODE ⑤	ASCII 6-13-63	-----UNKNOWN-----			ASCII 6-13-63

SHEET 3

MODEL 33  
TYPEWHEEL  
ANALYSIS CHART

APPROVALS

D AND R <i>HJK</i>	E OF M <i>[Signature]</i>
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E-NUMBER  
PROD. NO. 7172WD

DATE: 2/24/64  
P.D. FILE NO. G-A152A60

DRAWN MAE CHKD. J.E.T.  
ENG. RLW APPD. O.A.L.

TELETYPE CORPORATION

7172 WD

TYPE-WHEEL	ARRG'T	"MF"	"MG"	"MH"	"MJ"	"MK"
	PART NO.	183992	184685	184686	184688	184689
ORIGINAL CUSTOMER	WASH. UNIV. ST. LOUIS	MINN HONEYWELL	MINN HONEYWELL	AMES LAB.	BOLT BERNAK NEWMAN	
MATCHES KEYTOP ARRANGEMENT	-	"DRH"	—			
ORIG. USED ON	CUSTOMER'S APPLICATION	—	CUSTOMERS APPLICATION	CUSTOMERS APPLICATION	CUSTOMERS APPLICATION	
SEE NOTE	⑨		⑨	⑨	⑨	

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3	9-26-65	89039

(SEE SHEET 2 FOR EXPLANATION OF SYMBOLS) CHARACTERS IN THE "UNSHIFT" POSITION (THOSE ON LOWER HALF OF KEYTOP)  (SEE NOTES 1 AND 3)	A			1			
	B			2			
	C			3			
	D			4			
	E			5			
	F			6			
	G			7			
	H			8			
	I			9			
	J			↓			
	K			≡	•		
	L			∞	)	∞	∞
	M			∞	%	∞	∞
	N			V	■	∞	∞
	O			2	?	∞	∞
	P	>		+		∞	∞
	Q			A			
	R			B			
	S			C			
	T			D			
	U			E			
	V			F			
	W			G			
	X			H			
	Y			I			
	Z			:			
	1	<		I	J	≡	
2	∞		S	K	∞		
3			T	L	∞		
4	H		U	M	∞		
5	∞		V	N	∞		
6	i		W	O	∞	∞	
7	p		X	P			
8	⊕		Y	Q			
9	↓		Z	R			
0			<			∅	

VARIABLE CHAR.	(U)	(S)	(U)	(S)	(U)	(S)	(U)	(S)	(U)	(S)
NOTE: SINCE THE REMAINING CHARACTERS MAY VARY WIDELY, BOTH UNSHIFT AND SHIFT CHARACTERS ARE SHOWN FOR EACH ARRG'T. ④					*	(				
					≠	□				
	↓				!	4		?		
					⊙	#				
					∞	∞				
					∞	∞				
SEE NOTE ⑥	M	F	M	G	M	H	M	J	M	K
TYPE STYLE ⑧	M		M		M		M		M	
CODE ⑤	UNKNOWN		—		—		—		—	

SHEET 4

MODEL 33  
TYPEWHEEL  
ANALYSIS CHART

APPROVALS

D AND R	EOF M
<i>[Signature]</i>	<i>[Signature]</i>

E-NUMBER

PROD. NO. 7172 WD

DATE: 5-20-64

RD. FILE NO. G-A152A60

DRAWN. P.J.S. | CHKD. JET

ENG. R.L.W. | APPD. O.A.L.

TELETYPE CORPORATION

7172 WD

TYPE- WHEEL	ARRG'T	"ML"	"MN"	"MP"	"MR"	"MS"
	PART NO.	184690	184691	184693	184695	184950
ORIGINAL CUSTOMER	WESTREX	RCA	UNIVAC	RCA	WESTREX	
MATCHES KEYPAD ARRANGEMENT	-	-	-	-	-	
ORIG. USED ON	-	-	-	-	-	
SEE NOTE	(9)	(9)	(9)	(9)	(9)	

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CHARACTERS IN THE "SHIFT" POSITION (2)

(SEE SHEET 2 FOR EXPLANATION OF SYMBOLS) CHARACTERS IN THE "UNSHIFT" POSITION (THOSE ON LOWER HALF OF KEYPAD)  (SEE NOTES 1 AND 3)	A									
	B									
	C									
	D									
	E									
	F									
	G									
	H									
	I									
	J			P						
	K			.	S			BLANK		
	L	S	←	*				^	S	
	M		(	)				#		
	N		+	;						
	O	□	[	]					□	
	P		<	>				→		
	Q		J							
	R		K							
	S		L							
	T		M							
	U		N							
	V		O							
	W		P							
	X		Q							
	Y		R							
	Z		!		≠					
1			/							
2			S				∞			
3			T				∞	∞		
4			U				∞			
5			V				∞			
6			W				∞			
7			X							
8			Y							
9			Z							
0	0	∅	∅					□		

VARIABLE CHAR.	(U)	(S)	(U)	(S)	(U)	(S)	(U)	(S)	(U)	(S)
NOTE: SINCE THE REMAINING CHAR. MAY VARY WIDELY, BOTH UNSHIFT AND SHIFT CHAR. ARE SHOWN FOR EACH ARRG'T. (4) SEE NOTE (6)			%	@			/	↓	//	†
			-	≡					/o	*
			↑	\						
			#	,						
			;	&						
			:							
	ML	MN	MP	MR	MS					

TYPE STYLE (8)	M	M	M	M	M
CODE (5)	-	-	-	-	-

SHEET 5

MODEL 33  
TYPEWHEEL  
ANALYSIS CHART

APPROVALS

D AND R	E OF M
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E-NUMBER  
PROD. NO. 7172WD

DATE: 8/25/65  
PD. FILE NO. G-A152A60

DRAWN. JAB    CHKD.  
ENGD. JAB    APPD.

TELETYPE  
CORPORATION

7172 WD

TYPE-WHEEL	ARRG'T	"MT"	"MU"	"MV"	"MW"	"MY"				
	PART NO.	184694	184692	184696	184697	184698				
ORIGINAL CUSTOMER	NATL. CASH REGISTER	NATL. CASH REGISTER	HONEYWELL	HONEYWELL	HONEYWELL	ISSUE DATE AUTH. NO. 2 9-26-65 89039				
MATCHES KEYTOP ARRANGEMENT	-	-	-	-	-					
ORIG. USED ON	-	-	-	-	-					
SEE NOTE	⑨	⑨	⑨	⑨	⑨					
CHARACTERS	CHARACTERS IN THE "SHIFT" POSITION ②									
(SEE SHEET 2 FOR EXPLANATION OF SYMBOLS) CHARACTERS IN THE "UNSHIFT" POSITION (THOSE ON LOWER HALF OF KEYTOP)  (SEE NOTES 1 AND 3)	R	1	1	1	1	1				
	B	2	2	2	2	2				
	C	3	3	3	3	3				
	D	4	4	4	4	4				
	E	5	5	5	5	5				
	F	6	6	6	6	6				
	G	7	7	7	7	7				
	H	8	8	8	8	8				
	I	9	9	9	9	9				
	J	@	@	-	-	-				
	K	,	"	,	"	=				
	L	+	~	MU	~	: :				
	M	RR	: :	R	: :	%				
	N	.	↑	.	↑	V				
	O	-	↑	-	↑	&				
	P	!	0	!	0	+ @				
	Q	A		A		A				
	R	B		B		B				
	S	C		C		C				
	T	D		D		D				
	U	E		E		E				
	V	F		F		F				
	W	G		G		G				
	X	H		H		H				
	Y	I		I		I				
	Z	;	;	;	;	;				
1	#	J	#	J	/ J					
2	S	K	S	K	S K					
3	T	L	T	L	T L					
4	U	M	U	M	U M					
5	V	N	V	N	V N					
6	W	O	W	O	W O					
7	X	P	X	P	X P					
8	Y	Q	Y	Q	Y Q					
9	Z	R	Z	R	Z R					
0	*	*	*	<	<					
VARIABLE CHAR.	"U"	"S"	"U"	"S"	"U"	"S"	"U"	"S"	"U"	"S"
NOTE: SINCE THE REMAINING CHAR. MAY VARY WIDELY, BOTH UNSHIFT AND SHIFT CHAR. ARE SHOWN FOR EACH ARRG'T. ④	\$	\	\$	'	*	(	*	(	*	(
SEE NOTE ⑥	)	]	)	]	#	□	#	□	#	□
	/	\	/	\	!	1/2	!	1/2	!	1/2
	>	=	>	=	,	FR	,	S	,	g
	<	L	<	%	@	#	@	#	@	#
	<	%	(	L	"	CR	"	CR	"	CR
	+	+	+		MV		MW		MY	
TYPE STYLE ⑧	M	M	M	M	M	M	M	M	M	M
CODE ⑤	-	-	-	-	-	-	-	-	-	-

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MODEL 33  
TYPEWHEEL  
ANALYSIS CHART

APPROVALS

D AND R	EOPM
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E-NUMBER  
PROD. NO. 7172WD

DATE: 8/25/65  
P.D. FILE NO. G-A152A60

DRAWN. JAB CHKD.  
ENGD. JAB APPD.

TELETYPE CORPORATION

7172 WD

TYPE-WHEEL	ARRG'T	"MZ"	"NA"	"NB"	"NC"	"ND"	
	PART NO.	184951	184952	184953	184954	184955	
ORIGINAL CUSTOMER	WESTREX	WECO	WESTREX	WECO	WECO		
MATCHES KEYTOP ARRANGEMENT	-	-	-	-	-		
ORIG. USED ON	-	-	-	-	-		
SEE NOTE	⑨	⑨	⑨	⑨	⑨		
CHARACTERS	CHARACTERS IN THE "SHIFT" POSITION ②						
(SEE SHEET 2 FOR EXPLANATION OF SYMBOLS) CHARACTERS IN THE "UNSHIFT" POSITION (THOSE ON LOWER HALF OF KEYTOP)  (SEE NOTES 1 AND 3)	A	J			↑	1	
	B	K			*	2	
	C	3			c	3	
	D	M			¼	4	
	E	5				5	
	F	6				6	
	G	P				7	
	H	Q				8	
	I	9				9	
	J	@				10	
	K	≡	/			11	n
	L	MZ	≡		δ	12	o
	M	(	∴			13	p
	N	)	↑			14	q
	O	-	/			15	r
	P	↗	o			16	s
	Q	A				17	
	R	B				18	
	S	T				19	
	T	D			.	j	
	U	V				i	
	V	W				h	
	W	G				g	
	X	H			δ	k	
	Y	Z				l	
	Z					m	
1		1			1	1..	
2	S	2			2	2.	
3	C	L		½	3	3.	
4	U	4			4	4.	
5	E	N			5	5.	
6	F	σ			6	6.	
7	X	7	±	/	7	v	
8	Y	θ			8	←	
9	I	R			9	A	
0	£			δ	θ		
VARIABLE CHAR.	(U)	(S)	(U)	(S)	(U)	(S)	
NOTE: SINCE THE REMAINING CHAR. MAY VARY WIDELY, BOTH UNSHIFT AND SHIFT CHAR. ARE SHOWN FOR EACH ARRG'T. ④	§	P			o	c	
SEE NOTE ⑥	.	J			s	e	
	/	↑		10	+	f	
	>	,			b	+	
	½	%			a	B	
	&	L			-	d	
	+		NA	NB	NC	ND	
TYPE STYLE ⑧	M	M	M	M	M		
CODE ⑤	-	-	-	-	-		

7172 WD

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SHEET 7

MODEL 33  
TYPEWHEEL  
ANALYSIS CHART

APPROVALS

D AND R	E OF M
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E-NUMBER  
PROD. NO. 7172WD

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DRAWN. JAB CHKD.  
ENGD. JAB APPD.

TELETYPE CORPORATION

7172 WD

TYPE- WHEEL	ARRG'T	"NE"	"NF"	"NG"		
	PART NO.	184956	184957	184958		
ORIGINAL CUSTOMER	BURROUGH	WECO	STANFORD			
MATCHES KEYP ARRANGEMENT	-	-	-			
ORIG. USED ON	-	-	-			
SEE NOTE	(9)	(9)	(9)			
CHARACTERS	CHARACTERS IN THE "SHIFT" POSITION (2)					
(SEE SHEET 2 FOR EXPLANATION OF SYMBOLS) CHARACTERS IN THE "UNSHIFT" POSITION (THOSE ON LOWER HALF OF KEYP)  (SEE NOTES 1 AND 3)	R	J				
	B	K				
	C	L				
	D	M				
	E	N				
	F	O				
	G	P				
	H	Q				
	I	R				
	J	X				
	K	S				
	L	X				
	M	)				
	N	;				
	O	!				
	P	B				
	Q	A				
	R	B				
	S	C				
	T	D				
	U	E				
	V	F				
	W	G				
	X	H				
	Y	I				
	Z	+				
1	/	1		1	0	
2	S	2		2	1	
3	T	3		3	2	
4	U	4		4	3	
5	V	5		5	1	
6	W	6		6	3	
7	X	7		7	3	
8	Y	8		8	)	
9	Z	9		9	(	
0	NE					
VARIABLE CHAR.	"U"	"S"	"U"	"S"	"U"	"S"
NOTE: SINCE THE REMAINING CHAR. MAY VARY WIDELY, BOTH UNSHIFT AND SHIFT CHAR. ARE SHOWN FOR EACH ARRG'T. (4)	@	%			U	<
SEE NOTE (6)	>	7			n	>
	≡	"			J	≡
	,	#			#	→
	#	0			.	,
	:	≡	0	0	:	/
	?		NF		NG	

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SHEET 8

MODEL 33  
TYPEWHEEL  
ANALYSIS CHART

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E-NUMBER

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DATE: 8/25/65

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ENGD. JAB    APPD.

TELETYPE  
CORPORATION

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